CLAIMS

What is claimed is:

1   1.   A method for customizing one or more user interfaces, comprising:

2   transmitting user interface specification data to one or more multifunction

3   peripherals, wherein user interface specification data defines a desired display

4   and operation behavior for the one or more user interfaces, and wherein each

5   of the one or more user interfaces is displayed on one of one or more

6   multifunction peripherals; and

7   maintaining scheduling data that defines a start time that indicates a time to update

8   each of the one or more user interfaces to reflect the user interface

9   specification data.

1   2.   The method of Claim 1, wherein the user interface specification data is transmitted

2   from a wireless device.

1   3.   The method of Claim 1, wherein the user interface specification data is transmitted

2   from an origin multifunction peripheral.

1   4.   The method of Claim 1, wherein the scheduling data is generated in response to input

2   received from a user.

1   5.   The method of Claim 1, further comprising:

2   transmitting the scheduling data to the one or more multifunction peripherals;

3   at a particular multifunction peripheral in the one or more multifunction peripherals,

4   determining the current time; and

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5   at the particular multifunction peripheral, if the current time is at least as recent as the

6   start time, then updating the user interface displayed on the particular

7   multifunction peripheral to reflect the user interface specification data.

1   6.   The method of Claim 1, further comprising:

2   transmitting the scheduling data to the one or more multifunction peripherals;

3   at a particular multifunction peripheral in the one or more multifunction peripherals,

4   determining the current time; and

5   at the particular multifunction peripheral, if the current time is at least as recent as an

6   end time defined in the scheduling data, then updating the user interface

7   displayed on the particular multifunction peripheral to cease reflecting the user

8   interface specification data, wherein the end time indicates a point in time to

9   update each of the one or more user interfaces to cease reflecting the user

10   interface specification data.

1   7.   The method of Claim 6, further comprising:

2   after updating the user interface displayed on the particular multifunction peripheral

3   to cease reflecting the user interface specification data, restoring the display

4   and the operation behavior of the user interface displayed on the particular

5   multifunction peripheral to a prior version of the user interface.

1   8.   The method of Claim 1, wherein the user interface specification data is transmitted to

2   the one or more multifunction peripherals contemporaneously with the occurrence of

3   the start time.

1   9.   The method of Claim 1, further comprising:

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2 determining the current time; and

3 if the current time is at least as recent as an end time defined in the scheduling data,

4   then causing the one or more user interfaces displayed on the one or more

5   multifunction peripherals to cease reflecting the user interface specification

6   data.

1 10. The method of Claim 9, further comprising:

2 after the one or more user interfaces cease reflecting the user interface specification

3   data, restoring the display and the operation behavior of the user interfaces to

4   a prior version.

1 11. The method of Claim 1, further comprising:

2 transmitting use limit data that defines a number of uses to apply the user interface

3   specification data to the one or more user interfaces.

1 12. A method for customizing one or more user interfaces, comprising:

2 transmitting user interface specification data that defines a desired display and

3   operation behavior for the one or more user interfaces to one or more

4   multifunction peripherals, wherein each of the one or more user interfaces is

5   displayed on one of the one or more multifunction peripherals; and

6 transmitting use limit data that defines a number of uses to apply the user interface

7   specification data to the one or more user interfaces to the one or more

8   multifunction peripherals.

1 13. The method of Claim 12, wherein the user interface specification data and the use

2 limit data are transmitted from a wireless device.

1 14. The method of Claim 12, wherein the user interface specification data and the use

2 limit data are transmitted from an origin multifunction peripheral.

1 15. The method of Claim 12, wherein the use limit data is generated at a wireless device

2 prior to transmission in response to input received from a user.

1 16. The method of Claim 12, further comprising:

2 at the one or more multifunction peripherals, updating the one or more user interfaces

3 from a first version to a second version in response to processing the user

4 interface specification data, wherein the first version may be different for each

5 of the one or more user interfaces, and wherein the second version reflects the

6 user interface specification data.

1 17. The method of Claim 16, further comprising:

2 at a particular multifunction peripheral in the one or more multifunction peripherals,

3 determining a number of uses associated with the user interface displayed on

4 the particular multifunction peripheral since the user interface was last

5 updated.

1 18. The method of Claim 17, further comprising:

2 at the particular multifunction peripheral, if the number of uses associated with the

3 user interface displayed on the particular multifunction peripheral since the last

4 update exceeds a threshold identified in the use limit data, then returning the

5 user interface displayed on the particular multifunction peripheral to the first

6 version associated with the user interface particular multifunction peripheral.

1 19. The method of Claim 12, wherein the use limit data further defines a number of uses

2   to apply the user interface specification data to the one or more user interfaces for a

3   specific user.

1 20. The method of Claim 12, further comprising:

2   transmitting scheduling data that defines a start time that indicates a time to update

3   each of the one or more user interfaces to reflect the user interface

4   specification data.

1 21. A computer-readable medium carrying one or more sequences of instructions for

2   customizing one or more user interfaces, wherein execution of the one or more

3   sequences of instructions by one or more processors causes the one or more

4   processors to perform the steps of:

5   transmitting user interface specification data to one or more multifunction

6   peripherals, wherein user interface specification data defines a desired display

7   and operation behavior for the one or more user interfaces, and wherein each

8   of the one or more user interfaces is displayed on one of one or more

9   multifunction peripherals; and

10   maintaining scheduling data that defines a start time that indicates a time to update

11   each of the one or more user interfaces to reflect the user interface

12   specification data.

1 22. The computer-readable medium of Claim 21, wherein the user interface specification

2   data is transmitted from a wireless device.

1   23.   The computer-readable medium of Claim 21, wherein the user interface specification

2   data is transmitted from an origin multifunction peripheral.

1   24.   The computer-readable medium of Claim 21, wherein the scheduling data is

2   generated in response to input received from a user.

1   25.   The computer-readable medium of Claim 21, wherein execution of the one or more

2   sequences of instructions by one or more processors further causes the one or more

3   processors to perform the step of:

4   transmitting the scheduling data to the one or more multifunction peripherals;

5   at a particular multifunction peripheral in the one or more multifunction peripherals,

6   determining the current time; and

7   at the particular multifunction peripheral, if the current time is at least as recent as the

8   start time, then updating the user interface displayed on the particular

9   multifunction peripheral to reflect the user interface specification data.

1   26.   The computer-readable medium of Claim 21, wherein execution of the one or more

2   sequences of instructions by one or more processors further causes the one or more

3   processors to perform the step of:

4   transmitting the scheduling data to the one or more multifunction peripherals;

5   at a particular multifunction peripheral in the one or more multifunction peripherals,

6   determining the current time; and

7   at the particular multifunction peripheral, if the current time is at least as recent as an

8   end time defined in the scheduling data, then updating the user interface

9   displayed on the particular multifunction peripheral to cease reflecting the user

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10   interface specification data, wherein the end time indicates a point in time to

11   update each of the one or more user interfaces to cease reflecting the user

12   interface specification data.

1   27.   The computer-readable medium of Claim 26, wherein execution of the one or more

2   sequences of instructions by one or more processors further causes the one or more

3   processors to perform the step of:

4   after updating the user interface displayed on the particular multifunction peripheral

5   to cease reflecting the user interface specification data, restoring the display

6   and the operation behavior of the user interface displayed on the particular

7   multifunction peripheral to a prior version of the user interface.

1   28.   The computer-readable medium of Claim 21, wherein the user interface specification

2   data is transmitted to the one or more multifunction peripherals contemporaneously

3   with the occurrence of the start time.

1   29.   The computer-readable medium of Claim 21, wherein execution of the one or more

2   sequences of instructions by one or more processors further causes the one or more

3   processors to perform the step of:

4   determining the current time; and

5   if the current time is at least as recent as an end time defined in the scheduling data,

6   then causing the one or more user interfaces displayed on the one or more

7   multifunction peripherals to cease reflecting the user interface specification

8   data.

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1　30. The computer-readable medium of Claim 29, wherein execution of the one or more

2　　　sequences of instructions by one or more processors further causes the one or more

3　　　processors to perform the step of:

4　　　after the one or more user interfaces cease reflecting the user interface specification

5　　　　　data, restoring the display and the operation behavior of the user interfaces to

6　　　　　a prior version.

1　31. The computer-readable medium of Claim 21, wherein execution of the one or more

2　　　sequences of instructions by one or more processors further causes the one or more

3　　　processors to perform the step of:

4　　　transmitting use limit data that defines a number of uses to apply the user interface

5　　　　　specification data to the one or more user interfaces.

1　32. A computer-readable medium carrying one or more sequences of instructions for

2　　　customizing one or more user interfaces, wherein execution of the one or more

3　　　sequences of instructions by one or more processors causes the one or more

4　　　processors to perform the steps of:

5　　　transmitting user interface specification data that defines a desired display and

6　　　　　operation behavior for the one or more user interfaces to one or more

7　　　　　multifunction peripherals, wherein each of the one or more user interfaces is

8　　　　　displayed on one of the one or more multifunction peripherals; and

9　　　transmitting use limit data that defines a number of uses to apply the user interface

10　　　　　specification data to the one or more user interfaces to the one or more

11　　　　　multifunction peripherals.

1   33.   The computer-readable medium of Claim 32, wherein the user interface specification

2   data and the use limit data are transmitted from a wireless device.

1   34.   The computer-readable medium of Claim 32, wherein the user interface specification

2   data and the use limit data are transmitted from an origin multifunction peripheral.

1   35.   The computer-readable medium of Claim 32, wherein the use limit data is generated

2   at a wireless device prior to transmission in response to input received from a user.

1   36.   The computer-readable medium of Claim 32, wherein execution of the one or more

2   sequences of instructions by one or more processors further causes the one or more

3   processors to perform the step of:

4   at the one or more multifunction peripherals, updating the one or more user interfaces

5   from a first version to a second version in response to processing the user

6   interface specification data, wherein the first version may be different for each

7   of the one or more user interfaces, and wherein the second version reflects the

8   user interface specification data.

1   37.   The computer-readable medium of Claim 36, wherein execution of the one or more

2   sequences of instructions by one or more processors further causes the one or more

3   processors to perform the step of:

4   at a particular multifunction peripheral in the one or more multifunction peripherals,

5   determining a number of uses associated with the user interface displayed on

6   the particular multifunction peripheral since the user interface was last

7   updated.

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1   38.   The computer-readable medium of Claim 37, wherein execution of the one or more

2   sequences of instructions by one or more processors further causes the one or more

3   processors to perform the step of:

4   at the particular multifunction peripheral, if the number of uses associated with the

5   user interface displayed on the particular multifunction peripheral since the last

6   update exceeds a threshold identified in the use limit data, then returning the

7   user interface displayed on the particular multifunction peripheral to the first

8   version associated with the user interface particular multifunction peripheral.

1   39.   The computer-readable medium of Claim 32, wherein the use limit data further

2   defines a number of uses to apply the user interface specification data to the one or

3   more user interfaces for a specific user.

1   40.   The computer-readable medium of Claim 32, wherein execution of the one or more

2   sequences of instructions by one or more processors further causes the one or more

3   processors to perform the step of:

4   transmitting scheduling data that defines a start time that indicates a time to update

5   each of the one or more user interfaces to reflect the user interface

6   specification data.

1   41.   An apparatus for customizing one or more user interfaces, comprising:

2   a processor;

3   a computer-readable medium accessible to the processor and comprising one or more

4   sequences of instructions which, when executed by the processor, cause the

5   processor to perform the steps of:

6   transmitting user interface specification data to one or more multifunction

7   peripherals, wherein user interface specification data defines a desired

8   display and operation behavior for the one or more user interfaces, and

9   wherein each of the one or more user interfaces is displayed on one of

10   one or more multifunction peripherals; and

11   maintaining scheduling data that defines a start time that indicates a time to

12   update each of the one or more user interfaces to reflect the user

13   interface specification data.

1 42. The apparatus of Claim 41, wherein the user interface specification data is transmitted

2   from a wireless device.

1 43. The apparatus of Claim 41, wherein the user interface specification data is transmitted

2   from an origin multifunction peripheral.

1 44. The apparatus of Claim 41, wherein the scheduling data is generated in response to

2   input received from a user.

1 45. The apparatus of Claim 41, wherein execution of the one or more sequences of

2   instructions by the processor further causes the processor to perform the steps of:

3   transmitting the scheduling data to the one or more multifunction peripherals;

4   at a particular multifunction peripheral in the one or more multifunction peripherals,

5   determining the current time; and

6   at the particular multifunction peripheral, if the current time is at least as recent as the

7   start time, then updating the user interface displayed on the particular

8   multifunction peripheral to reflect the user interface specification data.

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1   46. The apparatus of Claim 41, wherein execution of the one or more sequences of

2   instructions by the processor further causes the processor to perform the steps of:

3   transmitting the scheduling data to the one or more multifunction peripherals;

4   at a particular multifunction peripheral in the one or more multifunction peripherals,

5   determining the current time; and

6   at the particular multifunction peripheral, if the current time is at least as recent as an

7   end time defined in the scheduling data, then updating the user interface

8   displayed on the particular multifunction peripheral to cease reflecting the user

9   interface specification data, wherein the end time indicates a point in time to

10   update each of the one or more user interfaces to cease reflecting the user

11   interface specification data.

1   47. The apparatus of Claim 46, wherein execution of the one or more sequences of

2   instructions by the processor further causes the processor to perform the step of:

3   after updating the user interface displayed on the particular multifunction peripheral

4   to cease reflecting the user interface specification data, restoring the display

5   and the operation behavior of the user interface displayed on the particular

6   multifunction peripheral to a prior version of the user interface.

1   48. The apparatus of Claim 41, wherein the user interface specification data is transmitted

2   to the one or more multifunction peripherals contemporaneously with the occurrence

3   of the start time.

1   49. The apparatus of Claim 41, wherein execution of the one or more sequences of

2   instructions by the processor further causes the processor to perform the steps of:

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3   determining the current time; and

4   if the current time is at least as recent as an end time defined in the scheduling data,

5   then causing the one or more user interfaces displayed on the one or more

6   multifunction peripherals to cease reflecting the user interface specification

7   data.

1   50.   The apparatus of Claim 49, wherein execution of the one or more sequences of

2   instructions by the processor further causes the processor to perform the step of:

3   after the one or more user interfaces cease reflecting the user interface specification

4   data, restoring the display and the operation behavior of the user interfaces to

5   a prior version.

1   51.   The apparatus of Claim 41, wherein execution of the one or more sequences of

2   instructions by the processor further causes the processor to perform the step of:

3   transmitting use limit data that defines a number of uses to apply the user interface

4   specification data to the one or more user interfaces.

1   52.   An apparatus for customizing one or more user interfaces, comprising:

2   a processor;

3   a computer-readable medium accessible to the processor and comprising one or more

4   sequences of instructions which, when executed by the processor, cause the

5   processor to perform the steps of:

6   transmitting user interface specification data that defines a desired display and

7   operation behavior for the one or more user interfaces to one or more

8   multifunction peripherals, wherein each of the one or more user

9   interfaces is displayed on one of the one or more multifunction

10   peripherals; and

11   transmitting use limit data that defines a number of uses to apply the user

12   interface specification data to the one or more user interfaces to the

13   one or more multifunction peripherals.

1   53.   The apparatus of Claim 52, wherein the user interface specification data and the use

2   limit data are transmitted from a wireless device.

1   54.   The apparatus of Claim 52, wherein the user interface specification data and the use

2   limit data are transmitted from an origin multifunction peripheral.

1   55.   The apparatus of Claim 52, wherein the use limit data is generated at a wireless

2   device prior to transmission in response to input received from a user.

1   56.   The apparatus of Claim 52, wherein execution of the one or more sequences of

2   instructions by the processor further causes the processor to perform the step of:

3   at the one or more multifunction peripherals, updating the one or more user interfaces

4   from a first version to a second version in response to processing the user

5   interface specification data, wherein the first version may be different for each

6   of the one or more user interfaces, and wherein the second version reflects the

7   user interface specification data.

1   57.   The apparatus of Claim 56, wherein execution of the one or more sequences of

2   instructions by the processor further causes the processor to perform the step of:

3   at a particular multifunction peripheral in the one or more multifunction peripherals,

4   determining a number of uses associated with the user interface displayed on

5   the particular multifunction peripheral since the user interface was last

6   updated.

1   58.   The apparatus of Claim 57, wherein execution of the one or more sequences of

2   instructions by the processor further causes the processor to perform the step of:

3   at the particular multifunction peripheral, if the number of uses associated with the

4   user interface displayed on the particular multifunction peripheral since the last

5   update exceeds a threshold identified in the use limit data, then returning the

6   user interface displayed on the particular multifunction peripheral to the first

7   version associated with the user interface particular multifunction peripheral.

1   59.   The apparatus of Claim 52, wherein the use limit data further defines a number of

2   uses to apply the user interface specification data to the one or more user interfaces

3   for a specific user.

1   60.   The apparatus of Claim 52, wherein execution of the one or more sequences of

2   instructions by the processor further causes the processor to perform the step of:

3   transmitting scheduling data that defines a start time that indicates a time to update

4   each of the one or more user interfaces to reflect the user interface

5   specification data.

1   61.   An apparatus for customizing one or more user interfaces, comprising:

2   means for transmitting user interface specification data to one or more multifunction

3   peripherals, wherein user interface specification data defines a desired display

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4 and operation behavior for the one or more user interfaces, and wherein each

5 of the one or more user interfaces is displayed on one of one or more

6 multifunction peripherals; and

7 means for maintaining scheduling data that defines a start time that indicates a time to

8 update each of the one or more user interfaces to reflect the user interface

9 specification data.

1 62. The apparatus of Claim 61, wherein the user interface specification data is transmitted

2 from a wireless device.

1 63. The apparatus of Claim 61, wherein the user interface specification data is transmitted

2 from an origin multifunction peripheral.

1 64. The apparatus of Claim 61, wherein the scheduling data is generated in response to

2 input received from a user.

1 65. The apparatus of Claim 61, further comprising:

2 means for transmitting the scheduling data to the one or more multifunction

3 peripherals;

4 means for determining the current time at a particular multifunction peripheral in the

5 one or more multifunction peripherals; and

6 means for updating the user interface displayed on the particular multifunction

7 peripheral to reflect the user interface specification data at the particular

8 multifunction peripheral if the current time is at least as recent as the start

9 time.

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1   66.   The apparatus of Claim 61, further comprising:

2   means for transmitting the scheduling data to the one or more multifunction

3   peripherals;

4   means for determining the current time at a particular multifunction peripheral in the

5   one or more multifunction peripherals; and

6   means for updating the user interface displayed on the particular multifunction

7   peripheral to cease reflecting the user interface specification data at the

8   particular multifunction peripheral if the current time is at least as recent as an

9   end time defined in the scheduling data, wherein the end time indicates a point

10   in time to update each of the one or more user interfaces to cease reflecting the

11   user interface specification data.

1   67.   The apparatus of Claim 66, further comprising:

2   means for restoring the display and the operation behavior of the user interface

3   displayed on the particular multifunction peripheral to a prior version of the

4   user interface after updating the user interface displayed on the particular

5   multifunction peripheral to cease reflecting the user interface specification

6   data.

1   68.   The apparatus of Claim 61, wherein the user interface specification data is transmitted

2   to the one or more multifunction peripherals contemporaneously with the occurrence

3   of the start time.

1   69.   The apparatus of Claim 61, further comprising:

2   means for determining the current time; and

3   means for causing the one or more user interfaces displayed on the one or more

4   multifunction peripherals to cease reflecting the user interface specification

5   data if the current time is at least as recent as an end time defined in the

6   scheduling data.

1   70.   The apparatus of Claim 69, further comprising:

2   means for restoring the display and the operation behavior of the user interfaces to a

3   prior version after the one or more user interfaces cease reflecting the user

4   interface specification data.

1   71.   The apparatus of Claim 61, further comprising:

2   means for transmitting use limit data that defines a number of uses to apply the user

3   interface specification data to the one or more user interfaces.

1   72.   An apparatus for customizing one or more user interfaces, comprising:

2   means for transmitting user interface specification data that defines a desired display

3   and operation behavior for the one or more user interfaces to one or more

4   multifunction peripherals, wherein each of the one or more user interfaces is

5   displayed on one of the one or more multifunction peripherals; and

6   means for transmitting use limit data that defines a number of uses to apply the user

7   interface specification data to the one or more user interfaces to the one or

8   more multifunction peripherals.

1   73.   The apparatus of Claim 72, wherein the user interface specification data and the use

2   limit data are transmitted from a wireless device.

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1 74. The apparatus of Claim 72, wherein the user interface specification data and the use

2 limit data are transmitted from an origin multifunction peripheral.

1 75. The apparatus of Claim 72, wherein the use limit data is generated at a wireless

2 device prior to transmission in response to input received from a user.

1 76. The apparatus of Claim 72, further comprising:

2 means for updating the one or more user interfaces from a first version to a second

3 version in response to processing the user interface specification data at the

4 one or more multifunction peripherals, wherein the first version may be

5 different for each of the one or more user interfaces, and wherein the second

6 version reflects the user interface specification data.

1 77. The apparatus of Claim 76, further comprising:

2 means for determining a number of uses associated with the user interface displayed

3 on the particular multifunction peripheral since the user interface was last

4 updated at a particular multifunction peripheral in the one or more

5 multifunction peripherals.

1 78. The apparatus of Claim 77, further comprising:

2 means for returning the user interface displayed on the particular multifunction

3 peripheral to the first version associated with the user interface particular

4 multifunction peripheral at the particular multifunction peripheral if the

5 number of uses associated with the user interface displayed on the particular

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6   multifunction peripheral since the last update exceeds a threshold identified in

7   the use limit data.

1   79.   The apparatus of Claim 72, wherein the use limit data further defines a number of

2   uses to apply the user interface specification data to the one or more user interfaces

3   for a specific user.

1   80.   The apparatus of Claim 72, further comprising:

2   means for transmitting scheduling data that defines a start time that indicates a time to

3   update each of the one or more user interfaces to reflect the user interface

4   specification data.

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